SEP 2 3 2005

REPLACEMENT SHEET USSN: 10/815,321

Title: Methods and Systems for Interactive...
Applicants: Bonabeau, et al.

Iteration: 80 Generations Project: Supersonic Business Jet
Fit: 0.8501
Fit: 0.8595
Fit: 0.8475
Fit: 0.8529
1448
1449
1451

1449

General					
Name	Value	Min	Max		
# of PAX	12	8	12		
Manuf. ROI	6	6	12		
# of Vehicles	500	200	500		
Design Range	3595	3500	4200		
Mach	1.6	1.6	1.8		
TO Thr Der.	0.8475	0.8	l		
Engine					
Name	Value	Min	Max		
Location	101.4	100	110		
OPR	25	22	29		
TIT	3378	3300	3400		
FPR	2.8013	2.6	3.2		
Throttle Ratio	1.2146	1.2	1.23		
T/W Ratio	0.41	0.41	0.45		

Wing					
Value	Min	Max			
55.79	45	_57			
2.1748	2	2.5			
0.0714	0.05	0.3			
2538	2300	3100			
69.91	67	74			
0.6024	0.4	0.8			
0.3096	0.2	0.4			
0.6	0.4	0.6			
0.2186	0.2	0.5			
0.0416	0.025	0.045			
0.0294	0.025	0.045			
1.657	-2	2			
1.1736	0	5			
	Value 55.79 2.1748 0.0714 2538 69.91 0.6024 0.3096 0.6 0.2186 0.0416 0.0294 1.657	Value Min 55.79 45 2.1748 2 0.0714 0.05 2538 2300 69.91 67 0.6024 0.4 0.3096 0.2 0.6 0.4 0.2186 0.2 0.0416 0.025 0.0294 0.025 1.657 -2			

Fuselage				
Name	Value	Min	Max	
Length	143.82	135	160	
Cabin Loc.	36	36	41	
Cabin Length	39.752	39	50	
Diameter 1	2.3555	2.2	3	
Diameter 2	7.3234	7.2	7.6	
Diameter 3	7.8997	7.2	8	
Diameter 4	7.3745	7.2	7.6	
Diameter 5	5.2814	4.5	6.5	
Diameter 6	2.3	2.3	3.1	
Empennage				
Name	Value	Min	Max	
Location	88.556	87	97	
Name	Value	Min	-	

Fig.4A

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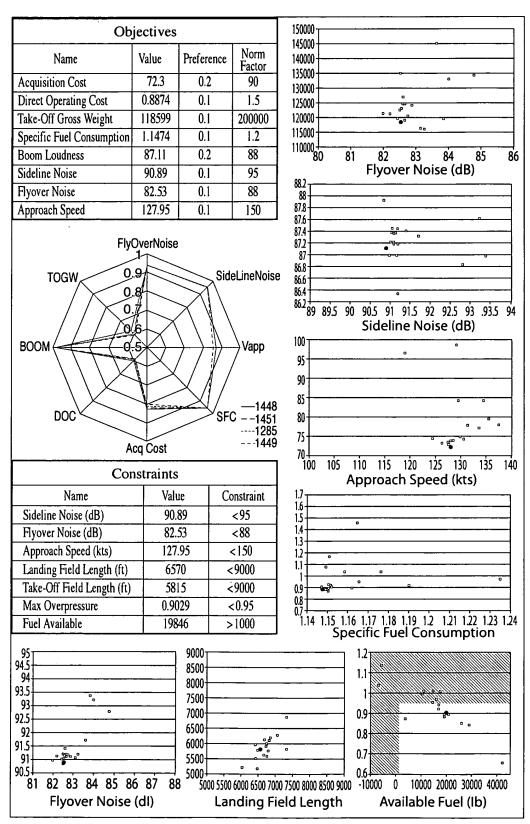


Fig. 4B

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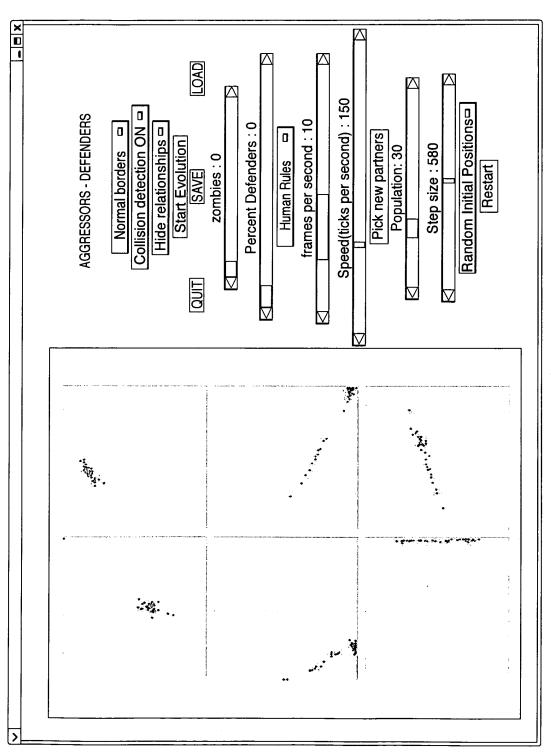


Fig. 5

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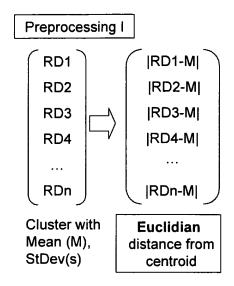


Fig. 8A

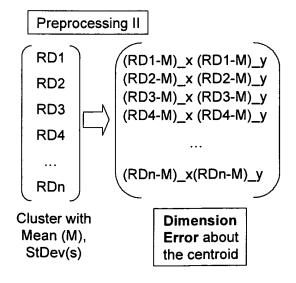


Fig. 8B

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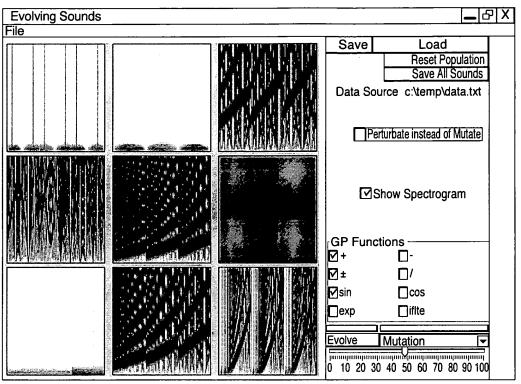


Fig. 10

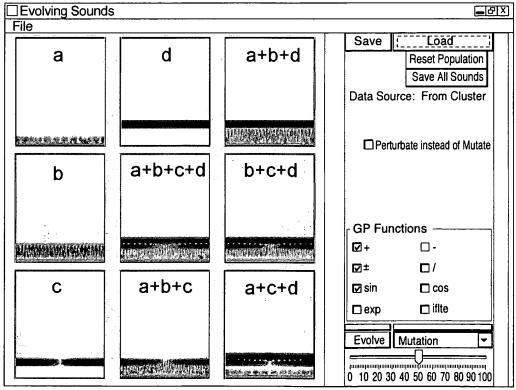


Fig. 11

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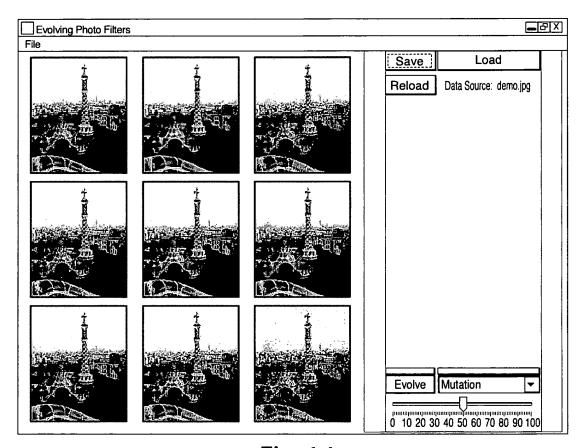


Fig. 14